

Title (en)  
Droplet ejection device

Title (de)  
Tropfenausgabevorrichtung

Title (fr)  
Dispositif d'éjection de gouttelettes

Publication  
**EP 1974920 A2 20081001 (EN)**

Application  
**EP 08005527 A 20080325**

Priority  
JP 2007090265 A 20070330

Abstract (en)  
A droplet ejection device includes: an ejection head having an actuator and a nozzle; an interface configured to receive data; and a controller configured to (a) execute, based on the received data, ejection control in which liquid droplets having respective different volumes are selectively ejected from the nozzle to a medium by driving the actuator and (b) execute recovery control in which ejection performance of the recording head is recovered by driving the actuator. The controller is configured to (c) determine, based on the received data, a volume of a droplet to be first ejected from the nozzle under the ejection control subsequent to the recovery control, and (d) set, based on the determined volume, a condition for driving the actuator to execute the recovery control.

IPC 8 full level  
**B41J 2/045** (2006.01)

CPC (source: EP US)  
**B41J 2/04551** (2013.01 - EP US); **B41J 2/04581** (2013.01 - EP US); **B41J 2/04593** (2013.01 - EP US); **B41J 2/04595** (2013.01 - EP US); **B41J 2/04596** (2013.01 - EP US); **B41J 2/16526** (2013.01 - EP US)

Citation (applicant)  
• EP 1733882 A1 20061220 - TOSHIBA TEC KK [JP]  
• EP 1106360 A1 20010613 - SEIKO EPSON CORP [JP]

Cited by  
EP2399749A4

Designated contracting state (EPC)  
DE FR GB

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 1974920 A2 20081001**; **EP 1974920 A3 20081105**; **EP 1974920 B1 20140430**; CN 101279534 A 20081008; CN 101279534 B 20110112; JP 2008246810 A 20081016; JP 5226237 B2 20130703; US 2008238974 A1 20081002

DOCDB simple family (application)  
**EP 08005527 A 20080325**; CN 200810090731 A 20080331; JP 2007090265 A 20070330; US 7943908 A 20080327